

DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that:

Rec'd PCT/PTO 28 SEP 2005

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

OXIDE CATHODE FOR ELECTRON GUN WITH A DIFFERENTIALLY DOPED METALLIC SUBSTRATEthe specification of which was filed on July 21, 2003 as Application Serial No. PCT/EP03/50323 and was amended on January 24, 2005, or, if not identified here by filing date and serial number, is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed.

Application No. 02291859.3 in EP on July 24, 2002 priority claimed ☒ Yes ☐ NoApplication No. _____ in _____ on _____ priority claimed ☐ Yes ☐ NoApplication No. _____ in _____ on _____ priority claimed ☐ Yes ☐ No

I hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) as listed below.

Application No. _____ Filed _____

Application No. _____ Filed _____

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application

Serial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandonedSerial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint, individually and collectively, the following as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

<u>Joseph S. Tripoli</u>	Registration No. <u>26,040</u>	and
<u>Joseph J. Laks</u>	Registration No. <u>27,914</u>	and
<u>Harvey D. Fried</u>	Registration No. <u>28,298</u>	and
<u>Ronald H. Kurdyla</u>	Registration No. <u>26,932</u>	and
<u>Robert D. Shedd</u>	Registration No. <u>36,269</u>	and
<u>Vincent E. Duffy</u>	Registration No. <u>39,964</u>	

PLEASE ADDRESS ALL
COMMUNICATIONS TO:

JOSEPH S. TRIPOLI
 PATENT OPERATIONS
 THOMSON LICENSING INC.
 P. O. BOX 5312
 PRINCETON, NEW JERSEY 08543-5312

Sole or Joint Inventor (1)	<u>Jean-Michel ROQUAIS</u> (Type or Print)	<u>Jean-Michel Roquais</u> (Signature in Full. No initials.)
Citizenship	<u>FR</u>	Date <u>March the 4th, 2005</u>
Post Office Address	<u>11 bis rue des Roses - F-21000 DIJON</u>	
Residence	<u>FR</u>	
Sole or Joint Inventor (2)	<u>Donald John WIERSCHKE</u> (Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>US</u>	Date
Post Office Address	<u>3324 Stillwell Driver - 17601 LANCASTER</u>	
Residence	<u>US</u>	
Sole or Joint Inventor (3)	(Type or Print)	(Signature in Full. No initials.)
Citizenship		Date
Post Office Address		
Residence		

DECLARATION AND POWERS OF ATTORNEY

a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of a subject matter which is claimed and for which a patent is sought on the invention entitled

KIDE CATHODE FOR ELECTRON GUN WITH A DIFFERENTIALLY DOPED METALLIC SUBSTRATE

a specification of which was filed on July 21, 2003 as Application Serial No. PCT/EP03/50323 and was amended on January 24, 2005, or, if not identified here by filing date and serial number, is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed.

Application No. 02291859.3 in EP on July 24, 2002 priority claimed ☒ Yes ☐ No

Application No. _____ in _____ on _____ priority claimed ☐ Yes ☐ No

Application No. _____ in _____ on _____ priority claimed ☐ Yes ☐ No

I hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) as listed below.

Application No. _____ Filed _____

Application No. _____ Filed _____

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application

Serial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandoned

Serial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint, individually and collectively, the following as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

<u>Joseph S. Tripoli</u>	Registration No. <u>26,040</u>	and
<u>Joseph J. Laks</u>	Registration No. <u>27,914</u>	and
<u>Harvey D. Fried</u>	Registration No. <u>28,298</u>	and
<u>Ronald H. Kurdyla</u>	Registration No. <u>26,932</u>	and
<u>Robert D. Shedd</u>	Registration No. <u>36,269</u>	and
<u>Vincent E. Duffy</u>	Registration No. <u>39,964</u>	

PLEASE ADDRESS ALL
COMMUNICATIONS TO:

JOSEPH S. TRIPOLI
PATENT OPERATIONS
THOMSON LICENSING INC.
P. O. BOX 5312
PRINCETON, NEW JERSEY 08543-5312

Sole or Joint Inventor (1)	<u>Jean-Michel ROQUAIS</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>FR</u>		Date
Post Office Address	<u>11 bis rue des Roses - F-21000 DIJON</u>		
Residence	<u>FR</u>	<u>[Signature]</u>	
Sole or Joint Inventor (2)	<u>Donald John WIERSCHKE</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>US</u>		Date <u>2-22-05</u>
Post Office Address	<u>3324 Stillwell Driver - 17601 LANCASTER</u>		
Residence	<u>US</u>	<u>[Signature]</u>	
Sole or Joint Inventor (3)		(Type or Print)	(Signature in Full. No initials.)
Citizenship			Date
Post Office Address			
Residence			

Patent Operations
Thomson Licensing Inc.
P.O. Box 5312
Princeton, NJ 08543-5312

10/522115

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DT01 Rec'd PCT/PTC 24 JAN 2005

Applicants : Jean-Michel Roquais; Donald John Wierschke
Int'l Appln. No. : PCT/EP03/50323
Int'l Filed : July 21, 2003
For : OXIDE CATHODE FOR ELECTRON GUN WITH A
DIFFERENTIALLY DOPED METALLIC SUBSTRATE

APPOINTMENT OF ASSOCIATE ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

I, Ronald H. Kurdyla, an attorney of record, hereby appoint Patricia A. Verlangieri, Reg. No. 42,201, Telephone: (609-734-6867) and Rich LaPeruta, Reg. No. 51252, Telephone: 717-295-6207), as associate attorneys in the above-identified application, with full power to prosecute the above-identified application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

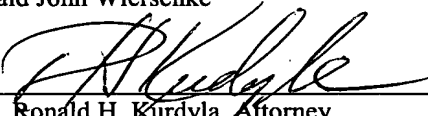
PLEASE ADDRESS ALL FUTURE COMMUNICATIONS TO:

Joseph S. Tripoli
Patent Operations
THOMSON Licensing Inc.
P.O. Box 5312
Princeton, NJ 08543-5312

Respectfully submitted,

Jean-Michel Roquais
Donald John Wierschke

By


Ronald H. Kurdyla, Attorney
Reg. No. 26,932
Phone: (609) 734-6818

Date: January 17, 2005

EXPRESS EV 386480551US 10/522/115

PTO/SB/81 (11-04)

Approved for use through 11/30/2005, OMB 0951-0066

U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Rec'd PTO 18 SEP 2005

**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/522,115
Filing Date	21/JUL/2003
First Named Inventor	JEAN-MICHEL ROQUAIS ET AL
Title	OXIDE CATHODE FOR ELECTRON GUN WITH A DIFFERENTIALLY DOPED METALLIC SUBSTRATE
Art Unit	
Examiner Name	
Attorney Docket Number	PF020093

I hereby appoint:

☒ Practitioners at Customer Number
OR☐ Practitioner(s) named below:

Customer Number 24498

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number:**OR**☐ The address associated with Customer Number:**OR**☐ Firm or
Individual Name

Joseph S. Tripoli, Patent Operations

Address

THOMSON LICENSING INC.

Address

P. O. BOX 5312

City

PRINCETON

State

NJ

ZIP

08543-5312

Country

USA

Telephone

609-734-6818

Fax

609-734-6888

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.

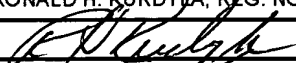
Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

RONALD H. KURDYLA, REG. NO. 26,932

Signature



Date

9-27-03

Telephone

609-734-6818

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 3 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**POWER OF ATTORNEY
THOMSON LICENSING S.A.**

We,

THOMSON Licensing S.A.
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France


do hereby grant

Joseph S. Tripoli
Senior Vice President
Thomson Licensing Inc.
Two Independence Way
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from March 11, 2003

DATED this 21st day of June, in the year 2005.

Signature:



Typed Name As Signed:
Title:

Didier HUCK
Chairman and CEO

Best Available Copy

POWER OF ATTORNEY
THOMSON LICENSING S.A.

THOMSON Licensing S.A.
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France

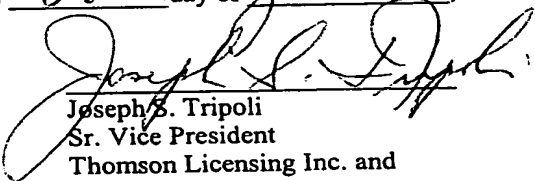
does hereby grant

Joseph J. Laks - Vice President
Harvey D. Fried - Sr. Patent Counsel/Manager
Ronald H. Kurdyla - Sr. Patent Counsel/Manager
Robert D. Shedd - Sr. Patent Counsel/Manager
Robert B. Levy - Sr. Patent Counsel/Manager
Frank Y. Liao - Sr. Patent Counsel/Manager
Reitseng Lin - Sr. Patent Counsel
Christine Johnson - Sr. Patent Counsel
Guy H. Eriksen - Sr. Patent Counsel
Catherine A. Ferguson - Sr. Patent Counsel
Joseph J. Kolodka - Sr. Patent Counsel
Kuniyuki Akiyama - Sr. Patent Counsel
Paul P. Kiel - Sr. Patent Counsel
Jeffrey M. Navon - Sr. Patent Counsel
Joel M. Fogelson - Sr. Patent Counsel
Joseph J. Opalach - Sr. Patent Counsel
Sammy S. Henig - Sr. Patent Counsel
Patricia A. Verlangieri - Sr. Patent Counsel
Jorge Tony Villabon - Patent Counsel
Vincent E. Duffy - Patent Counsel
Richard LaPeruta - Patent Counsel
Francis A. Davenport - Sr. Patent Agent
William A. Lagoni - Patent Agent
Brian J. Cromarty - Patent Agent
Ronald Kolczynski - Member Patent Staff
Thomson Licensing Inc.
Two Independence Way
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from March 11, 2003.

DATED this 22nd day of June, 2005.

SIGNED


Joseph S. Tripoli
Sr. Vice President
Thomson Licensing Inc. and
Attorney In Fact for
THOMSON Licensing S.A.

WITNESS



Best Available Copy